

Contents

A New Era in Computation

Number 1, Winter 1992

v Preface

W. Daniel Hillis

1 What Is Massively Parallel Computing, and Why Is It Important?

John H. Holland

17 Complex Adaptive Systems

Yuefan Deng, James Glimm, and David H. Sharp

31 Perspectives on Parallel Computing

Brosl Hasslacher

53 Parallel Billiards and Monster Systems

James Bailey

67 First We Reshape Our Computers, Then Our Computers
Reshape Us: The Broader Intellectual Impact of Parallelism

Robert Sokolowski

87 Parallelism in Conscious Experience

Felix E. Browder

105 Of Time, Intelligence, and Institutions

Geoffrey C. Fox

111 Parallel Computing and Education

N. Metropolis

119 The Age of Computing: A Personal Memoir

Philip J. Davis

131 What Should the Public Know about Mathematics?

Jacob T. Schwartz

139 America's Economic-Technological Agenda for the 1990s

Contents

A New Era in Computation

Number 1, Winter 1992

v Preface

W. Daniel Hillis

1 What Is Massively Parallel Computing, and Why Is It Important?

John H. Holland

17 Complex Adaptive Systems

Yuefan Deng, James Glimm, and David H. Sharp

31 Perspectives on Parallel Computing

Brosl Hasslacher

53 Parallel Billiards and Monster Systems

James Bailey

67 First We Reshape Our Computers, Then Our Computers
Reshape Us: The Broader Intellectual Impact of Parallelism

Robert Sokolowski

87 Parallelism in Conscious Experience

Felix E. Browder

105 Of Time, Intelligence, and Institutions

Geoffrey C. Fox

111 Parallel Computing and Education

N. Metropolis

119 The Age of Computing: A Personal Memoir

Philip J. Davis

131 What Should the Public Know about Mathematics?

Jacob T. Schwartz

139 America's Economic-Technological Agenda for the 1990s

Contents

The Exit from Communism

Number 2, Spring 1992

- v Preface
Frank E. Manuel
- 1 A Requiem for Karl Marx
S. N. Eisenstadt
- 21 The Breakdown of Communist Regimes
Leszek Kolakowski
- 43 Amidst Moving Ruins
Martin Malia
- 57 Leninist Endgame
Anders Åslund
- 77 Russia's Road from Communism
Victor Zaslavsky
- 97 Nationalism and Democratic Transition in Postcommunist Societies
Juan J. Linz and Alfred Stepan
- 123 Political Identities and Electoral Sequences: Spain, the Soviet Union, and Yugoslavia
Ivo Banac
- 141 The Fearful Asymmetry of War: The Causes and Consequences of Yugoslavia's Demise
Jiří Musil
- 175 Czechoslovakia in the Middle of Transition
Erazim Kohák
- 197 Ashes, Ashes . . . Central Europe after Forty Years
Fabio Luca Cavazza
- 217 The Italian Paradox: An Exit from Communism
Tu Wei-ming
- 251 Intellectual Effervescence in China

Contents

Political Pharmacology: Thinking About Drugs

Number 3, Summer 1992

- v Preface
Mathea Falco
- 1 Foreign Drugs, Foreign Wars
Peter Reuter
- 15 Hawks Ascendant: The Punitive Trend of American Drug Policy
Mark A. R. Kleiman
- 53 Neither Prohibition Nor Legalization: Grudging Toleration in Drug Control Policy
Ethan A. Nadelmann
- 85 Thinking Seriously About Alternatives to Drug Prohibition
Jerome H. Skolnick
- 133 Rethinking the Drug Problem
Thomas Szasz
- 161 The Fatal Temptation: Drug Prohibition and the Fear of Autonomy
David C. Lewis
- 165 Medical and Health Perspectives on a Failing US Drug Policy
Mark Schlesinger and Robert A. Dorwart
- 195 Falling Between The Cracks: Failing National Strategies for the Treatment of Substance Abuse
Patricia G. Erickson
- 239 Recent Trends in Canadian Drug Policy: The Decline and Resurgence of Prohibitionism
Dwight B. Heath
- 269 US Drug Control Policy: A Cultural Perspective
Jerri A. Husch
- 293 Culture and US Drug Policy: Toward A New Conceptual Framework

Contents

Immobile Democracy?

Number 4, Fall 1992

- v Preface
- Chalmers Johnson
- 1 Japan in Search of a "Normal" Role
- Ezra F. Vogel
- 35 Japanese-American Relations After the Cold War
- Merry White
- 61 Home Truths: Women and Social Change in Japan
- Tony Judt
- 83 The Past is Another Country: Myth and Memory in Postwar Europe
- Christoph Bertram
- 119 US-German Relations in a World at Sea
- Diana Pinto
- 129 The Great European Sea Change
- Paul E. Peterson
- 151 An Immodest Proposal
- Theodore R. Marmor and David Boyum
- 175 American Medical Care Reform: Are We Doomed to Fail?
- Daniel J. Kevles
- 195 Foundations, Universities, and Trends in Support for the Physical and Biological Sciences, 1900-1992